

ABSTRACT

A method of forming a solid-state image sensor is provided. The method includes the steps of forming a plurality of photosensor elements on a substrate; forming a plurality of color filters on the plurality of photosensors; forming a light blocking member between adjacent color filters; and forming a plurality of microlenses on the plurality of color filters. Each photosensor with each corresponding color filter and microlens is used for receiving an incident light of specific spectrum.